

HUNSLET
RURAL DISTRICT COUNCIL.

ANNUAL REPORT

OF

JOSEPH BUCK, ESQ.,

MEDICAL OFFICER OF HEALTH.

1905.

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HUNSLET RURAL DISTRICT COUNCIL.

ANNUAL REPORT,

1905.

*To the Chairman and Members of the Hunslet Rural
District Council.*

Gentlemen,

I beg to submit my Annual Report for the year 1905. In addition to the usual tables of the Local Government Board, County Council, and Factory and Workshop Act (1901), a table dealing with Infantile Mortality during the year is also appended.

BIRTHS.—In the whole district, during the year, there have been registered 197 births—87 males and 110 females. Of these the sub-registration district of Whitkirk (including Templenewsam, Oulton-cum-Woodlesford, and Thorp Stapleton) has contributed 155, and Middleton 42. Estimating the population to Midsummer of 1905 at 6990, this gives a **Birth-rate** of 28·18 per thousand of the population, against 28·43 for 1904. The birth-rate for England and Wales for 1905 is 27·2, and the average for the decade 1895-1904 in this district, 28·90. Five illegitimate births are included in the above.

DEATHS.—During the corresponding period there have been registered in the whole district 109 deaths—44 males and 65 females. Of these the sub-registration district of Whitkirk contributed 93, and Middleton 16. Seven deaths (not included in the above) in persons belonging to the district occurred, 6 in Leeds General Infirmary and 1 in Wakefield Asylum.

Exclusive of these seven deaths, the gross **death-rate** for the whole district is 15·58; inclusive of these, the **corrected death-rate**, on which the rates are calculated, is 16·59, the average for the decade 1895-1904 being 14·69, and for England and Wales in 1905, 15·2. The death-rate for the sub-registration district of Whitkirk is 17·51, and for Middleton 12·48.

SUMMARY OF AGES at which death occurred :—

Deaths under	1 year	=	26	} 46 under 5 years.
„ over	1 „ and under 5	=	20	
„ „	5 years „ 15	=	6	} 70 over 5 years.
„ „	15 „ „ 25	=	3	
„ „	25 „ „ 65	=	36	
„ „	65 „ and upwards	=	25	
Total		=	116	

CAUSES OF DEATH.—The following is a summary of the causes of death :—

Measles	1
Whooping Cough	2
Enteric Fever	1
Epidemic Influenza	2
Enteritis	4
Phthisis (Pulmonary)	5
Other Tubercular Diseases	7
Cancer	5
Bronchitis	14
Pneumonia	13
Other Respiratory Diseases	2
Premature Birth	6
Parturition	1
Heart Diseases	7
Accidents	7
Suicides	1
All other causes	38
Total	116

INFANT MORTALITY.—There were registered 25 deaths in children under 1 year of age, and including one death also which occurred outside the district but belonging to it, this gives a death-rate of 131 per thousand births registered, that of 1904 being 137, the average for the decade 1895-1904 being 134, and that of England and Wales 128. The causes of death were :—Enteritis 3, Diseases of Respiratory Organs 7, Premature Birth 6, other causes 10. The **Infantile Death-rate** is satisfactory, especially as there are no deaths from epidemic or Summer Diarrhœa, the majority being from causes over which we can exercise little or no control.

ZYMOTIC DISEASES.—There have been only 4 deaths registered from the principal infectious diseases :—Measles 1, Whooping Cough 2, Enteric Fever 1. The **Zymotic Death-rate** is ·57 per thousand, an extremely low one, that of 1904 being 2·59, and that of England and Wales for 1905, 1·52. It will be noted that there has not been registered a single death from Scarlet Fever or Diphtheria.

Vital Statistics for the Year 1905.

1905.	Hunslet R.D.C.	England and Wales	
		Whole Country	Excluding the 218 Towns
Birth-rate	28·18	*27·2	26·3
Death-rate	16·59	*15·2	14·9
Zymotic Death-rate ..	·57	1·52	1·09
Infantile Mortality .. (Per 1000 Births.)	131	*128	113

* Lowest ever recorded.

There were 56 cases of **Infectious Diseases notified**, against 34 in the preceding year. The increase is due to the prevalence of Scarlet Fever throughout the year in Oulton-cum-Woodlesford, 41 cases having been notified in this district alone. With this exception the district has been comparatively free from notifiable disease. Of the cases notified, Oulton-cum-Woodlesford contributed 47—Scarlet Fever 41, Erysipelas 3, Phthisis 3; Templenewsam 7—Small-pox 2, Diphtheria 1, Erysipelas 1, Scarlet Fever 2, Enteric Fever 1; Middleton 2—Scarlet Fever 1, Erysipelas 1.

SMALL-POX.—Two cases of Small-pox occurred in the spring, and Halton was again the seat of the disease. The first case was a coal-hawker living at the top of Halton Hill. It is possible that it may have been contracted in the East end of Leeds, but it is more probable that it was contracted at a race meeting which he attended, the date corresponding with the average incubation period. He was promptly removed to Manston Hospital. The second case was a boy (Æt. 13), living a few yards from the preceding case. It is highly probable that he received the infection from the former case. The protective power of more recent vaccination was again evident: the man, who had only one ill-defined mark of primary vaccination, had a severe attack, whilst in the boy's case, although possessing only one mark, the disease abated after the initial stage. The latter was isolated at Waterloo. In both cases prompt precautionary measures were taken, and there was no further spread of the disease.

SCARLET FEVER.—Of the 44 cases notified, 41 occurred in Oulton-cum-Woodlesford, 2 in Templenewsam, and 1 in Middleton. Of the Oulton cases the first occurred at Fleet Mills, in March, and the second about 6 weeks after in a child at Oulton, too young to attend school. Throughout the year the disease has continued to be prevalent, yet it is a remarkable fact that the attendance at both the Halton and Woodlesford Schools has kept up to the average, and there has not been a single death registered from this cause. Of the 44 cases, 36 were removed to hospital, 35 being from Oulton-cum-Woodlesford and 1 from Middleton. The mildness of the disease, and its consequent delay and non-detection have undoubtedly been factors in prolonging its prevalence.

DIPHTHERIA.—A single case was notified from Halton in an errand boy working in Leeds. He was removed to hospital. For the third year in succession this disease has been absent from Oulton-cum-Woodlesford and Middleton.

ENTERIC FEVER.—One solitary case, and this of a doubtful character, was notified from Halton after the death of the patient. There was an absence of this disease from all other parts of the district, a fact which speaks well for the excellent water supply and drainage of the district.

MEASLES and WHOOPING COUGH.—One death from Measles was registered in Middleton, and 2 from Whooping Cough—1 each in Woodlesford and Halton respectively. There has been no general prevalence of these diseases during the year, the 3 cases being in different districts and at intervals during the year.

ERYSIPELAS.—Five cases were notified, 3 in Oulton-cum-Woodlesford, 1 in Templenewsam, and 1 in Middleton.

DIARRHŒA.—There were no deaths registered under this specific and comprehensive term, which is responsible to a great extent for the high infant mortality-rate in so many districts. Considering that 197 babies were born alive during the year in the district, this fact is complimentary alike to the mothers, the milk supply, and the sanitation of the district generally.

TUBERCULOSIS.—Five deaths from Phthisis, and 7 from other Tubercular diseases were registered. Of the 5 deaths from Phthisis, 3 occurred in Oulton-cum-Woodlesford, 1 in Halton, and 1 in Wakefield Asylum (but belonging to this district). Three cases from Oulton-cum-Woodlesford were notified during the year. Handbills containing suggestions as to precautionary measures against Consumption are distributed, and in case of death, offers to disinfect the houses are made, which are not, as a rule, accepted. It is only by educating the rising generation that we can hope for the breaking down of the barrier of prejudice and ignorance, and the teaching of elementary hygiene should be found in the curriculum of all schools.

INQUESTS.—Twelve inquests were held—6 in Oulton-cum-Woodlesford, 4 in Templenewsam, and 2 in Middleton. Seven deaths were due to accidents, 4 to natural causes, and 1 to suicide by drowning.

INFECTIOUS DISEASES HOSPITALS.—Cases of Scarlet Fever, Enteric Fever, and Diphtheria are admitted to the Infectious Diseases Joint Hospital at Rothwell. Of the 44 cases of Scarlet Fever notified, 36 were removed. The single case of Diphtheria was also removed, but the case of Enteric Fever was notified after the death of the patient. Thus it will be seen that of the 45 cases which were available for removal, 37 were actually removed, *i.e.*, 82·2 per cent., a most satisfactory record, taking into consideration that it is

an innovation in the district, and that many prejudices and scruples have had to be overcome.

A site has been chosen for the Small-pox Joint Hospital in which the Hunslet Rural District is interested.

WATER SUPPLY.—With the exception of some intermittency of supply at Middleton, due to accidents to the mains supplying this district, the water supply of the whole area has been satisfactory.

SEWERAGE and SANITARY WORK.—The extension of the Halton Sewerage Works has been completed. Two additional settling tanks have been constructed, thus increasing the number to 4. Twelve new primary and 6 new secondary contact beds have also been added, making a total of 18, and there are also 2 new storm-water filters. There is also a considerable plot of land available for intermittent downward filtration.

The question of the drainage of Belle Isle, Middleton, still remains *in statu quo*.

There have been 196 feet of new sewer laid in Oulton-cum-Woodlesford, and 1 manhole.

Forty nuisances have been reported during the year, with 8 in hand at close of 1904 ; of these, 43 have been abated.

Eight legal notices for the abatement of nuisances were served, with recourse to law in one case.

The number of newly-constructed closets was 37, all of which were water-closets.

Closets to the number of 23 were re-constructed, of which 7 were water-closets and 17 were privies.

Thirty-one new houses—terrace and semi-detached—have been built during 1905, against 50 in 1904.

A single case of overcrowding in Halton was investigated and subsequently abated. There are plenty of houses available at present, and the overcrowding which existed several years ago throughout the district for want of new houses has ceased to exist.

The scavenging of the district which is done by our own staff in Oulton-cum-Woodlesford, and by contractors in the other townships, has been satisfactory, but I still think that it would be still more so, were it done throughout the district by the Council's own staff.

In July I made a special report on the pollution of Halton Dene beck by the effluent from the Crossgates Sewage Works. Although there has been some improvement in this effluent towards the latter part of the year, the state of the beck is not at all satisfactory, and will not be, until the Crossgates Sewage Works are either mended or ended.

I regret that no action has been taken with regard to the paving of back streets and yards, and the formation of proper roads and footpaths in connection with recently built property. In winter time, some of these places are in a deplorable condition, and the presence of so much dampness of soil is favourable to many diseases, especially Phthisis, Diphtheria, Rheumatism, etc. In the interests of the public health and good local government, the Council would do well to exercise the powers which they possess under the Private Street Works Act.

A much-needed improvement has been accomplished in the thoroughfare known as Alma Street, Woodlesford. The dilapidated ashes-pits, privies, and other out-houses have been removed, and the street considerably widened.

By-laws with respect to New Buildings and to Slaughter-houses have been under consideration during the year.

The house-to-house inspection of the district is in progress, but not sufficiently advanced to report upon, nor has any action been taken under the Food and Drugs Act.

Three specimens—1 Enteric Fever and 2 Diphtheria—were sent from this district to the County Laboratory, Wakefield, for bacteriological examination.

A memorandum relating to Anthrax, issued by the Board of Agriculture, was distributed to all butchers in the Council's area.

SUMMARY OF STATISTICS, Sanitary Requirements, and Suggestions :—

(A).—Death-rate for whole district, 16·59 (sub-registration of Whitkirk including Templenewsam, Thorp Stapleton, and Oulton-cum-Woodlesford, 17·51 and Middleton 12·48).

(B).—Birth-rate for whole district, 28·18.

(C).—Infantile Mortality, 131 per thousand births registered.

(D).—Zymotic death-rate, ·57 per thousand.

- (E).—Drainage of Belle Isle, Middleton.
- (F).—The paving of back streets and yards.
- (G).—The scavenging of whole district by Council's own staff.

FACTORY AND WORKSHOPS ACT, 1901.

The duties imposed upon district councils under this Act are classified as follows :—

- (a)—**Registration of Workshops** :—The number of workshops on the register kept by the Council is 40, of which 8 are classified as factories, 17 as bakehouses, and 15 as domestic workshops.
- (b)—**Sanitation** :—One hundred and seventy-seven inspections have been made, of which 48 were to factories and 129 to workshops. The cleanliness, air space, ventilation, drainage, and closet accommodation were found satisfactory.
- (c)—**Special Sanitary Provision for Bakehouses** :—Seventeen bakehouses are registered, all of which have been inspected as to closet accommodation, home washing and sleeping-places. One underground bakehouse was discovered illegally occupied. After recourse to the law, the occupation was discontinued.
- (d)—**Safety from Fire** :—In this district there are no workshops or factories which have any one room occupied by 40 persons working at the same time ; all in which are employed more than 40 persons, have been erected before 1892, and the means of escape in case of fire are satisfactory.
- (e)—**Home Work of certain kinds** :—No home work is given out in any of the factories or workshops in this district.

All the workshops have an abstract of the Act affixed according to Sec. 133.

In conclusion, I tender my hearty thanks to the Chairman and Members for their courtesy and support, and also to the Officials, from whom I have received much kindly assistance.

JOSEPH BUCK,

Medical Officer of Health.

Rothwell, near Leeds,

February 14th, 1906.

HUNSLET RURAL DISTRICT.

TABLE I.—Vital Statistics of Whole District during 1905 and Previous Years.

Year	Population estimated to Middle of each Year	Births		Total Deaths Registered in the District.					Deaths of Non-Residents registered in Public Institutions in the District	Deaths of Residents registered in Public Institutions beyond the District.	Nett Deaths at all Ages belonging to the District	
		Number	Rate*	Under 1 year of Age		At all Ages		Total Deaths in Public Institutions in the District			Number	Rate*
				Number	Rate per 1,000 Births registered	Number	Rate*					
1	2	3	4	5	6	7	8	9	10	11	12	13
1895	6570	212	32.26	33	155.66	120	18.26		3	2	119	18.11
1896	6656	194	29.12	31	159.79	100	15.00		2	2	100	15.00
1897	6770	201	29.68	18	89.55	78	11.52		2	2	78	11.52
1898	6882	211	30.65	29	137.44	111	16.12		3	1	109	15.83
1899	6970	197	28.23	18	91.37	105	14.29		1		104	14.92
1900	7060	205	29.03	32	156.09	104	14.73		1	3	106	15.01
1901	6745	172	25.50	31	180.23	104	15.41			4	108	16.1
1902	6806	177	26.00	30	170.00	75	11.60			1	76	11.16
1903	6868	207	30.13	15	72.46	89	12.95			9	98	14.26
1904	6928	197	28.43	27	137.05	98	14.14			6	104	15.00
Averages for years 1895 - 1904	6825.5	197.3	28.90	26.4	134.78	98.4	14.34		1.2	3.0	100.2	14.69
1905	6990	197	28.18	25	126.90	109	15.58			7	116	16.59

* Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

NOTE.—The deaths to be included in Column 7 of this table are the whole of those registered during the year as having actually occurred within the district or division. The deaths to be included in Column 12 are the number in Column 7, corrected by the subtraction of the number in Column 10 and the addition of the number in Column 11.

By the term "Non-Residents" is meant persons brought into the district on account of sickness or infirmity, and dying in public institutions there; and by the term "Residents" is meant persons who have been taken out of the district on account of sickness or infirmity, and have died in public institutions elsewhere.

The "Public institutions" to be taken into account for the purposes of these Tables are those into which persons are habitually received on account of sickness or infirmity, such as hospitals, workhouses, and lunatic asylums. A list of the Institutions in respect of the deaths in which corrections have been made is given below.

Area of District in acres (exclusive of area covered by water), 6332. Total population at all ages, 6730; Number of inhabited houses, 1410; Average number of persons per house, 4.7; at census of 1901.

Institutions outside the District receiving sick and infirm persons from the District:—Hunslet Union Workhouse, Rothwell; West Riding Asylum. Wakefield; General Infirmary, Leeds; Joint Infectious Diseases Hospital, Rothwell. Is the Union Workhouse within the District? No.

HUNSLET RURAL DISTRICT.

TABLE II.—Vital Statistics of separate Localities in 1905 and previous years.

Names of Localities	Whole District				Templenewsam, Thorp Stapleton, and Oulton-cum-Woodlesford				Middleton			
	Population estimated to middle of each Year	Births registered.	Deaths at all Ages	Deaths under 1 year	Population estimated to middle of each Year	Births registered	Deaths at all Ages	Deaths under 1 year	Population estimated to middle of each Year	Births registered	Deaths at all Ages	Deaths under 1 year
Year	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>
1895	6570	212	119	33		171	94	28		41	25	5
1896	6656	194	100	31		151	83	50		43	17	6
1897	6770	201	78	18		157	60	14		44	18	4
1898	6882	211	109	29		170	84	23		41	25	6
1899	6970	197	104	18		150	86	12		47	18	6
1900	7060	205	106	32		164	84	25		41	22	7
1901	6745	172	108	31	5476	145	80	26	1269	27	28	5
1902	6806	177	76	30	5534	146	65	25	1272	13	11	5
1903	6868	207	98	15	5592	167	78	10	1275	40	20	5
1904	6928	197	104	27	5650	172	89	25	1278	25	9	2
Averages of Years 1895 to 1904	6825.5	197.3	100.2	26.4		159.3	80.3	21.3		36.2	19.3	5.1
1905	6990	197	116	26	5708	155	100	21	1282	42	16	5

HUNSLET RURAL DISTRICT.

TABLE III.—Cases of Infectious Disease notified during the Year 1905.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT							Total Cases notified in each locality.			No. of Cases removed to Hospital from each Locality.		
	At all Ages	At Ages—Years						Whitkirk Sub-registration District		Middleton	Whitkirk Sub-registration District		Middleton
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 and upwards	Oulton-c-Woodlesford	Temple-newsam and Thorp Stapleton		Oulton-c-Woodlesford	Temple-newsam and Thorp Stapleton	
Small-pox ..	2			1		1			2			2	
Cholera ...													
Diphtheria ...	1		1						1			1	
Membranous Croup													
Erysipelas ...	5				1	3	1	3	1	1			1
Scarlet Fever ...	44		12	27	2	3		41	2	1	35		
Typhus Fever ...													
Enteric Fever ...	1					1			1				
Relapsing Fever...													
Continued Fever...													
Puerperal Fever ...													
Plague ...													
Phthisis ..	3					2	1	3					
Totals ...	56		12	29	3	10	2	47	7	2	35	3	1

NOTES.—The localities adopted for this table are the same as those in Tables II. and IV.

Isolation Hospital:—Rothwell, Methley and Hunslet Joint, Situated at Rothwell, also, for Small-pox only, Hospital Situated in Rothwell Urban District.

HUNSLET RURAL DISTRICT.

TABLE IV.—Causes of, and Ages at, Death during Year 1905.

Causes of Death	Deaths in or belonging to whole District at subjoined Ages.							Deaths in or belonging to Localities (at all Ages)	
	All Ages	Under 1 year	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards	Templenewsam, Thorp Stapleton, Oulton-c-Woodlesford	Middleton.
Small-pox									
Measles	1		1						1
Scarlet Fever									
Whooping-cough	2		2					2	
Diphtheria and Membranous Croup									
Croup									
Fever { Typhus	1					1		1	
Enteric									
Other Continued ..									
Epidemic Influenza	2					1	1	2	
Cholera									
Plague									
Diarrhoea									
Enteritis	4	3	1					4	
Puerperal Fever									
Erysipelas									
Other septic diseases ...									
Phthisis	5		1		1	3		5	
Other tubercular diseases ...	7		5	2				6	1
Cancer, malignant disease ...	5					3	2	4	1
Bronchitis	14	1	1			6	6	12	2
Pneumonia	13	5	5			2	1	12	1
Pleurisy									
Other diseases of Respiratory organs	2	1		1				2	
Alcoholism									
Cirrhosis of liver }									
Venereal diseases									
Premature birth	6	6						5	1
Diseases and accidents of parturition	1					1		1	
Heart diseases	7					5	2	6	1
Accidents	7		2		1	1	3	5	2
Suicides	1						1	1	
All other causes	38	10	2	3	1	13	9	32	6
All causes	116	26	20	6	3	36	25	100	16

HUNSLET RURAL DISTRICT.

TABLE V.—Infantile Mortality during the Year 1905.

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH				Under 1 Week	1-2 Weeks	2-3 Weeks	3-4 Weeks	Total under 1 Month	1-2 Months	2-3 Months	3-4 Months	4-5 Months	5-6 Months	6-7 Months	7-8 Months	8-9 Months	9-10 Months	10-11 Months	11-12 Months	Total Deaths under 1 Year
All Causes	{	Certified	...	6	1	2	1	10	4	1	2		1		2	3	2	1		26
		Uncertified	...																	
Common Infectious Diseases	{	Small-pox	...																	
		Chicken-pox	...																	
		Measles	...																	
		Scarlet Fever	...																	
		Diphtheria Croup	...																	
Diarrhoeal Diseases	{	Whooping Cough	...																	
		Diarrhoea, all forms	...																	
		Enteritis (not Tuberculous)	...							1		1		1						3
Wasting Diseases	{	Gastritis, Gastro-intestinal Catarrh	...																	
		Premature Birth	...	3	1				2											6
		Congenital Defects	...																	
		Injury at Birth	...																	
		Want of Breast-milk	...																	
Tuberculous Diseases	{	Atrophy, Debility Marasmus	...	1					1											2
		Tuberculous Meningitis	...																	
		Tuberculous Peritonitis: Tabes Mesenterica	...																	
		Other Tuberculous Diseases	...																	
		Erysipelas	...																	
		Syphilis	...																	
		Rickets	...													1				1
		Meningitis (not Tuberculous)	...														1			1
		Convulsions	...		1												1	1		3
		Bronchitis	...			1														1
Other Causes	{	Laryngitis	...																	
		Pneumonia	...						1		1					1	1	1		5
		Suffocation, overlaying	...																	
		Other Causes	...	2		1					1									4
				6	1	2	1	10	4	1	2		1		2	3	2	1		26

Population (Estimated to middle of 1905), 6990. Births in the Year:—Legitimate, 192; Illegitimate, 5.

Deaths from all Causes at all Ages— } Registered in District ... 109 }
 „ „ Outside District 7 } 116

HUNSLET RURAL DISTRICT.

TABLE VI.—Annual Report of Medical Officer of Health for 1905.

FACTORIES, WORKSHOPS, LAUNDRIES, WORKPLACES AND HOMEWORK.

1.—INSPECTION.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Premises	Number of		
	Inspections	Written Notices	Prosecutions
Factories (Including Factory Laundries.)	48		
Workshops (Including Workshop Laundries.)	129	1	1
Workplaces			
Homeworkers' Premises			
Total	177		

2.—DEFECTS FOUND.

Particulars	Number of Defects			Number of Prosecutions
	Found	Remedied	Referred to H.M. Inspector	
<i>Nuisances under the Public Health Acts :—</i>				
Want of Cleanliness	Nil			
Want of Ventilation				
Overcrowding				
Want of drainage of floors				
Other nuisances				
Sanitary accommodations { insufficient unsuitable or defective not separate for sexes				
<i>Offences under the Factory and Workshop Act :—</i>				
Illegal occupation of underground bakehouse (S. 101.)	1	1		1
Breach of special sanitary requirements for bakehouses (SS. 97 to 100.)	Nil			
Failure as regards lists of outworkers (S. 107.) ...				
Giving out work to be done in premises which are { unwholesome (S. 108.) ... infected (S. 110.) ...	None in District			
Allowing wearing apparel to be made in premises infected by scarlet fever or smallpox (S. 109)				
Other offences				
Total	1	1		1

TABLE C. 1905.

HUNSLET RURAL DISTRICT.

Medical Officer of Health, JOSEPH BUCK, Salary £90.

Sanitary Inspector, WM. WHITEHEAD, Salary £95.

What other position does the Sanitary Inspector fill? Registrar of Births and Deaths, Canal Boats Inspector, Vaccination Officer.

Assistant Sanitary Inspector, C. A. SPENCER, Salary £72.

Water Supply—

Quality—Good. Action on Lead—Nil.

Any extensions or change during 1905 ?—To new property only.

Any inadequacy in any part ?—Some intermittency of supply at Middleton due to broken pipes in supplying district.

Sewerage—

Is the district systematically sewered ?—Yes.

Is rainfall from roads excluded ?—Yes.

Extensions or Improvements during 1905—196 feet of 9-in. sewer in Oulton-cum-Woodlesford ; one manhole ; Ventilating shafts—None. Manhole covers perforated.

Any inadequacy, and where ?—Belle Isle, Middleton.

Sewage Disposal—

System adopted—Bacteriological.

Any extensions in 1905 ?—Yes, at Halton : 2 additional settling tanks, 12 new primary and 6 new secondary filter beds.

Any complaint in neighbourhood of sewage works ?—No.

Scavenging—

Are the privy-middens, ash-places, etc., cleansed by Sanitary staff, by Contractors, or by Owners and Tenants ?—Oulton-cum-Woodlesford by Sanitary staff, Templenewsam, Thorp Stapleton, and Middleton by Contractors.

Any inadequacy of scavenging ?—No.

Adoptive Acts—

Acts adopted during 1905 (or parts)—Nil.

Any diseases added to Notification schedule, *e.g.*, Measles, Chicken-pox, etc.—No.

Any system of voluntary notification of Phthisis ?—Yes.

By-Laws—Any adopted or sanctioned during 1905 ?—No.

(a) Under the Public Health Act, 1875—New Building By-Laws and Slaughter-house By-Laws under consideration.

(b) Under the Public Health Acts (Amendment) Act, 1890—

Regulated Buildings, Trades, &c.	No. in District	No. on Register	Total No. of Inspect'ns made	General Condition ?	Legal Proceedings (if any)
Common Lodging Houses ..	Nil				
Canal Boats	Nil		1	(Not a registration district)	
Slaughter Houses	7	7	390	Satisfactory	
Cowsheds	85	85	170	ditto	
Offensive Trades (Please specify nature)	Nil				

Cowsheds—

Give date of Regulations in force under D.C.M. Order—Sept., 1887.

Any special inspection made during 1905 ?—No.

Any systematic veterinary inspection of cows ?—No.

Any action taken by outside Authorities, *e.g.*, under ' Milk Clauses ' concerning milk supplied from this district ?—Not to my knowledge.

Infectious Disease—

What disinfecting apparatus is available and where is it situate ?
—Steam Disinfecting Apparatus at Rothwell Conjoint Hospital.

How are dwellings disinfected ?—By Formaldehyde—spray and vaporization.

Any placards or handbills issued during 1905 ?—Yes.

Schools—

No. closed during 1905 on account of sickness—Nil.

Total duration of such closure—Nil.

Any ailment or contagious disease associated particularly with school life during 1905 ?—No.

Factory and Workshop Act—

Any cases of Anthrax in factories or workshops during 1905 ?—No.

Midwives Act, 1902—

No. of cases of Puerperal Fever occurring in the practice of Midwives—Nil.

No. of such Midwives disinfected by Sanitary Authority under Rule E. 5 of the Central Midwives Board—Nil.

Dwellings—No. of Houses built during 1905—31. General character—Terrace and Semi-detached.

Any occupied houses unfit for habitation ?—No.

Any overcrowding of persons in houses ?—1 case, now abated.

Any action taken under the Housing of the Working Classes Acts ?—No.

Is house-to-house inspection systematically made ?—Yes.

Are records kept ?—Yes.

Allotments Acts—No. of allotments provided under the Acts—Nil.

No. of allotments provided otherwise—Nil.

Any need for further provision ?—Nil.

Nuisances—

Total No. of Nuisances in hand at close of 1904—8

At close of 1905—5.

Reported during 1905—40. Abated during 1905—43.

Total No. of Legal Notices served for abatement of Nuisances during 1905—8.

Total No. of Summonses or other Legal Proceedings—One.

No. of Sink wastes disconnected during 1905—6.

No. of Sink wastes trapped during 1905—6.

No. of Closets newly constructed during 1905—37. Kinds—W.C.

No. of Closets reconstructed during 1905—23. Kinds—W.C. 7, others 16.

Meteorology—Mean Temperature for year 1905— Rainfall—

What action has been taken in regard to the following matters ?

Seizures of Unsound Food—Nil. Prosecutions—Nil.

Samples under Sale of Food and Drugs Acts—Nil. Prosecutions—Nil.

Has there been any poisoning during 1905 attributable to arsenical beer ?—No. Ptomaines ?—No. Lead contaminated water ?—No.

River Pollution—Halton Dene Beck, by effluent from Crossgates Sewage Works.

Smoke observations taken—8. Legal Notices—One. Summonses—Nil.

Burial Grounds—No. in District—3. Any need for (a) extension—No. (b) closure—No.

Mortuaries—No. in District (a) for accidents—Nil. (b) other—Nil.

Births during 1905—Males 87, Females 110, Total 197.

Number illegitimate, included in above—5.

Number Still Births (not included)—Nil.

Deaths during 1905—(1) Gross Deaths, *i.e.*, Total actually registered in the district, without any correction—109.

(2) Net Deaths, on which the rates are calculated—Males 49, Females 67—116.

Number uncertified, included in the above—Nil.

Sanitary Requirements of District, and Suggestions of Medical Officer of Health :

Drainage of Belle Isle, Middleton.

The paving of back streets and yards.

The scavenging of whole district by Council's own staff.